

SMOOTH, SIMPLE OPERATION: 16 mm film pickup can be remotely started, stopped, *reversed*, or operated single frame. Simple switching of video from 16 mm film to opaque pickup.

NO SHADING OPERATOR REQUIRED: Shading controls are not required. Picture inherently free from edge flare and shading—simple, high quality operation.

FILM MOVES CONTINUOUSLY: No noisy, wearing, tearing, intermittent claw mechanisms—extremely quiet, continuous-motion operation.

NEW CATHODE-RAY TUBE: The Heart of the Film-Scanner. The result of years of Du Mont leadership in Cathode-Ray Tube design. The brightest scanner raster yet developed—light intensity many times the output of conventional tubes—extremely long life.

SPECIALLY DESIGNED MULTIPLIER PHOTOTUBE: Extremely high gain accomplished by extra-sensitive

photocathode averaging 60 ua/lumen—multiplication factor: 700,000 to 2,000,000. High degree of stability. Spectral response predominates in visible region.

FILM AND OPAQUE-SLIDE PICKUP: Finest reproduction of 16 mm movie or 4" x 5" glossy or matte finish prints.

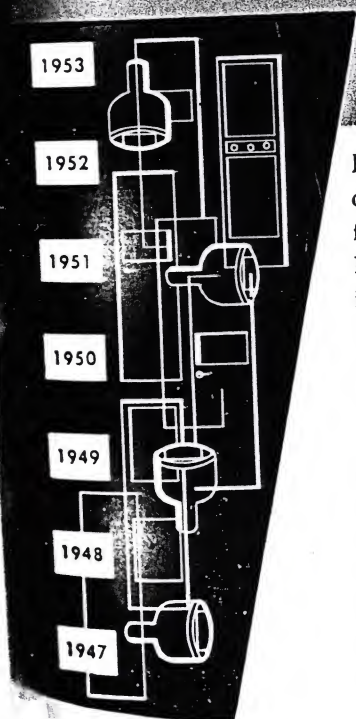
SIMULTANEOUS SIGNALS: Simultaneous video from each of two 16 mm film pickup machines or from each of two opaque pickups.

FILM SHRINKAGE COMPENSATOR: Built-in unit reproduces old or new film alike—smooth operation.

GAMMA CORRECTED: Excellent reproduction of the gray scale.

AUTOMATIC SLIDE CHANGER: Provision made for 2" x 2" glass slide automatic changer—a plus feature of the Film-Scanner.

Film-Scanner



HERE is the film pickup system everyone has been talking about since its first public demonstration at the 1952 N.A.R.T.B. Show. Here is the seemingly magic device that has been hailed as one of the greatest advancements in television . . . now as a commercial reality . . . ready for you.

The Film-Scanner offers the television broadcaster entirely new standards of *film, opaque and slide* pickup far superior to any system employing iconoscope or image orthicon tubes. In addition, operating costs of this system are a fraction of the costs of any previous system.

The development of scanner techniques is backed by knowledge gained through years of experience. From the great engineering achievements of the Monochrome and Universal Color Scanners, Du Mont has applied these well learned and proved principles to the ultimate in fine film reproduction equipment—the FILM-SCANNER. Years of experience in scanner techniques combined with the new continuous motion mechanism has resulted in a film pickup system of extreme simplicity. This is the final solution in answering all television film pickup problems of small and large stations alike.

TELEVISION TRANSMITTER DIVISION
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DU MONT